

## ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

Sunoco c/o Stantec  
1060 Andrew Drive  
Suite 140  
West Chester PA 19380

April 22, 2014

Project: Sunoco M.H.(RCRA)

Submittal Date: 04/10/2014

Group Number: 1466285

PO Number: SUN MARCUS HOOK RCRA

State of Sample Origin: PA

Client Sample DescriptionMW 17 Grab Groundwater Sample  
MW 28 Grab Groundwater Sample  
MW 30 Grab Groundwater Sample  
MW 40 Grab Groundwater Sample  
MW 86 Grab Groundwater Sample  
Trip Blank Water SampleLancaster Labs (LL) #7426556  
7426557  
7426558  
7426559  
7426560  
7426561

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC     Stantec  
COPY TO

Attn: Stephanie Andrews

Respectfully Submitted,

Amek Carter  
Specialist

(717) 556-7252

Sample Description: MW 17 Grab Groundwater Sample  
Sunoco M.H. (RCRA)

LL Sample # WW 7426556  
LL Group # 1466285  
Account # 11183

Project Name: Sunoco M.H. (RCRA)

Collected: 04/09/2014 10:58 by CC

Sunoco c/o Stantec

Submitted: 04/10/2014 19:20

1060 Andrew Drive

Reported: 04/22/2014 07:28

Suite 140

West Chester PA 19380

RCR17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>EPA 624</b>	<b>ug/l</b>	<b>ug/l</b>	
10371	Benzene	71-43-2	N.D.	0.9	1
10371	Ethylbenzene	100-41-4	N.D.	0.8	1
10371	Toluene	108-88-3	N.D.	0.8	1
10371	Xylene (total)	1330-20-7	N.D.	0.9	1
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>EPA 625</b>	<b>ug/l</b>	<b>ug/l</b>	
10334	Acenaphthene	83-32-9	N.D.	0.3	1
10334	Anthracene	120-12-7	N.D.	0.2	1
10334	Benzo(a)anthracene	56-55-3	N.D.	0.2	1
10334	Benzo(a)pyrene	50-32-8	N.D.	0.3	1
10334	Di-n-butylphthalate	84-74-2	N.D.	0.5	1
10334	Chrysene	218-01-9	N.D.	0.2	1
10334	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	1
10334	Fluorene	86-73-7	N.D.	0.3	1
10334	Naphthalene	91-20-3	N.D.	0.2	1
10334	Phenanthrene	85-01-8	N.D.	0.2	1
10334	Phenol	108-95-2	N.D.	0.4	1
<b>Metals</b>	<b>SW-846 6010B</b>		<b>mg/l</b>	<b>mg/l</b>	
07051	Chromium	7440-47-3	0.0320	0.0016	1
01754	Iron	7439-89-6	2.12	0.0430	1
07055	Lead	7439-92-1	0.0055 J	0.0047	1
07058	Manganese	7439-96-5	0.293	0.00083	1
01767	Sodium	7440-23-5	15.8	0.167	1
<b>Wet Chemistry</b>	<b>EPA 300.0</b>		<b>mg/l</b>	<b>mg/l</b>	
00224	Chloride	16887-00-6	13.7	1.0	5
00228	Sulfate	14808-79-8	65.2	1.5	5
	<b>EPA 335.4</b>		<b>mg/l</b>	<b>mg/l</b>	
00237	Total Cyanide (water)	57-12-5	N.D.	0.0050	1
	<b>EPA 420.4</b>		<b>mg/l</b>	<b>mg/l</b>	
00434	Phenols (water)	n.a.	N.D.	0.015	1
	<b>EPA 1664A</b>		<b>mg/l</b>	<b>mg/l</b>	
00612	SGT-HEM (TPH)	n.a.	N.D.	1.4	1

**Sample Description:** MW 17 Grab Groundwater Sample  
Sunoco M.H. (RCRA)

LL Sample # WW 7426556  
LL Group # 1466285  
Account # 11183

**Project Name:** Sunoco M.H. (RCRA)

Collected: 04/09/2014 10:58 by CC

Sunoco c/o Stantec

Submitted: 04/10/2014 19:20

1060 Andrew Drive

Reported: 04/22/2014 07:28

Suite 140

West Chester PA 19380

RCR17

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/15.  
The temperature of the temperature blank bottle(s) for the SGT-HEM (TPH) containers upon receipt at the lab was 6.8C using a digital thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 7.5-9.6 C.  
The temperature of the sample bottle(s) for the 625 containers upon receipt at the lab was 8.3-8.7 C using an IR thermometer.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	M141012AA	04/12/2014 12:31	Andrea E Lando	1
10334	SVOCs 625	EPA 625	1	14102WAB625	04/15/2014 23:01	Linda M Hartenstine	1
08108	625 Water Extraction	EPA 625	1	14102WAB625	04/13/2014 19:00	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010B	1	141011848003	04/16/2014 23:09	John W Yanzuk II	1
01754	Iron	SW-846 6010B	1	141011848003	04/16/2014 23:09	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	141011848003	04/16/2014 23:09	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	141011848003	04/16/2014 23:09	John W Yanzuk II	1
01767	Sodium	SW-846 6010B	1	141011848003	04/16/2014 23:09	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	141011848003	04/14/2014 10:42	Micaela L Dishong	1
00224	Chloride	EPA 300.0	1	14105347601B	04/15/2014 17:46	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14105347601B	04/15/2014 17:46	Sandra J Miller	5
00237	Total Cyanide (water)	EPA 335.4	1	14107102101A	04/17/2014 14:35	Venia B McFadden	1
00434	Phenols (water)	EPA 420.4	2	14106113101A	04/17/2014 10:12	K Robert Caulfeild-James	1
00492	Cyanide Water Distillation	EPA 335.4	1	14107102101A	04/17/2014 08:45	Nancy J Shoop	1
00491	Phenol Distillation (water)	EPA 420.4	1	14106113101A	04/16/2014 10:15	Nancy J Shoop	1
00612	SGT-HEM (TPH)	EPA 1664A	1	14107807801A	04/17/2014 16:59	Michelle L Lalli	1

Sample Description: MW 28 Grab Groundwater Sample  
Sunoco M.H. (RCRA)

LL Sample # WW 7426557  
LL Group # 1466285  
Account # 11183

Project Name: Sunoco M.H. (RCRA)

Collected: 04/09/2014 08:38 by CC

Sunoco c/o Stantec

Submitted: 04/10/2014 19:20

1060 Andrew Drive

Reported: 04/22/2014 07:28

Suite 140

West Chester PA 19380

RCR28

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>EPA 624</b>	<b>ug/l</b>	<b>ug/l</b>	
10371	Benzene	71-43-2	N.D.	0.9	1
10371	Ethylbenzene	100-41-4	N.D.	0.8	1
10371	Toluene	108-88-3	N.D.	0.8	1
10371	Xylene (total)	1330-20-7	N.D.	0.9	1
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>EPA 625</b>	<b>ug/l</b>	<b>ug/l</b>	
10334	Acenaphthene	83-32-9	N.D.	0.3	1
10334	Anthracene	120-12-7	N.D.	0.2	1
10334	Benzo(a)anthracene	56-55-3	N.D.	0.2	1
10334	Benzo(a)pyrene	50-32-8	N.D.	0.3	1
10334	Di-n-butylphthalate	84-74-2	N.D.	0.5	1
10334	Chrysene	218-01-9	N.D.	0.2	1
10334	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	1
10334	Fluorene	86-73-7	N.D.	0.3	1
10334	Naphthalene	91-20-3	N.D.	0.2	1
10334	Phenanthrene	85-01-8	N.D.	0.2	1
10334	Phenol	108-95-2	N.D.	0.4	1
<b>Metals</b>	<b>SW-846 6010B</b>		<b>mg/l</b>	<b>mg/l</b>	
07051	Chromium	7440-47-3	0.0062 J	0.0016	1
01754	Iron	7439-89-6	0.194 J	0.0430	1
07055	Lead	7439-92-1	N.D.	0.0047	1
07058	Manganese	7439-96-5	0.0783	0.00083	1
01767	Sodium	7440-23-5	52.4	0.167	1
<b>Wet Chemistry</b>	<b>EPA 300.0</b>		<b>mg/l</b>	<b>mg/l</b>	
00224	Chloride	16887-00-6	94.6	4.0	20
00228	Sulfate	14808-79-8	11.9	1.5	5
	<b>EPA 335.4</b>		<b>mg/l</b>	<b>mg/l</b>	
00237	Total Cyanide (water)	57-12-5	N.D.	0.0050	1
	<b>EPA 420.4</b>		<b>mg/l</b>	<b>mg/l</b>	
00434	Phenols (water)	n.a.	N.D.	0.015	1
	<b>EPA 1664A</b>		<b>mg/l</b>	<b>mg/l</b>	
00612	SGT-HEM (TPH)	n.a.	N.D.	1.4	1

**Sample Description:** MW 28 Grab Groundwater Sample  
Sunoco M.H. (RCRA)

LL Sample # WW 7426557  
LL Group # 1466285  
Account # 11183

**Project Name:** Sunoco M.H. (RCRA)

Collected: 04/09/2014 08:38 by CC

Sunoco c/o Stantec

Submitted: 04/10/2014 19:20

1060 Andrew Drive

Reported: 04/22/2014 07:28

Suite 140

West Chester PA 19380

RCR28

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/15.  
The temperature of the temperature blank bottle(s) for the SGT-HEM (TPH) containers upon receipt at the lab was 6.8C using a digital thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 7.5-9.6 C.  
The temperature of the sample bottle(s) for the 625 containers upon receipt at the lab was 8.3-8.7 C using an IR thermometer.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	M141012AA	04/12/2014 12:56	Andrea E Lando	1
10334	SVOCs 625	EPA 625	1	14102WAB625	04/15/2014 23:26	Linda M Hartenstine	1
08108	625 Water Extraction	EPA 625	1	14102WAB625	04/13/2014 19:00	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010B	1	141011848003	04/16/2014 23:13	John W Yanzuk II	1
01754	Iron	SW-846 6010B	1	141011848003	04/16/2014 23:13	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	141011848003	04/16/2014 23:13	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	141011848003	04/16/2014 23:13	John W Yanzuk II	1
01767	Sodium	SW-846 6010B	1	141011848003	04/16/2014 23:13	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	141011848003	04/14/2014 10:42	Micaela L Dishong	1
00224	Chloride	EPA 300.0	1	14105347601B	04/15/2014 19:07	Sandra J Miller	20
00228	Sulfate	EPA 300.0	1	14105347601B	04/15/2014 18:51	Sandra J Miller	5
00237	Total Cyanide (water)	EPA 335.4	1	14107102101A	04/17/2014 14:36	Venia B McFadden	1
00434	Phenols (water)	EPA 420.4	1	14106113101A	04/17/2014 07:57	K Robert Caulfeild-James	1
00492	Cyanide Water Distillation	EPA 335.4	1	14107102101A	04/17/2014 08:45	Nancy J Shoop	1
00491	Phenol Distillation (water)	EPA 420.4	1	14106113101A	04/16/2014 10:15	Nancy J Shoop	1
00612	SGT-HEM (TPH)	EPA 1664A	1	14107807801A	04/17/2014 16:59	Michelle L Lalli	1

Sample Description: MW 30 Grab Groundwater Sample  
Sunoco M.H. (RCRA)

LL Sample # WW 7426558  
LL Group # 1466285  
Account # 11183

Project Name: Sunoco M.H. (RCRA)

Collected: 04/09/2014 09:40 by CC

Sunoco c/o Stantec  
1060 Andrew Drive  
Suite 140  
West Chester PA 19380

Submitted: 04/10/2014 19:20

Reported: 04/22/2014 07:28

RCR30

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles EPA 624</b>					
10371	Benzene	71-43-2	6	0.9	1
10371	Ethylbenzene	100-41-4	0.9 J	0.8	1
10371	Toluene	108-88-3	0.9 J	0.8	1
10371	Xylene (total)	1330-20-7	3 J	0.9	1
<b>GC/MS Semivolatiles EPA 625</b>					
10334	Acenaphthene	83-32-9	N.D.	0.3	1
10334	Anthracene	120-12-7	N.D.	0.2	1
10334	Benzo(a)anthracene	56-55-3	N.D.	0.2	1
10334	Benzo(a)pyrene	50-32-8	N.D.	0.3	1
10334	Di-n-butylphthalate	84-74-2	N.D.	0.5	1
10334	Chrysene	218-01-9	N.D.	0.2	1
10334	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	1
10334	Fluorene	86-73-7	N.D.	0.3	1
10334	Naphthalene	91-20-3	3 J	0.2	1
10334	Phenanthrene	85-01-8	0.2 J	0.2	1
10334	Phenol	108-95-2	N.D.	0.4	1
<b>Metals SW-846 6010B</b>					
07051	Chromium	7440-47-3	0.0135 J	0.0016	1
01754	Iron	7439-89-6	0.204	0.0430	1
07055	Lead	7439-92-1	N.D.	0.0047	1
07058	Manganese	7439-96-5	0.0094	0.00083	1
01767	Sodium	7440-23-5	239	0.835	5
<b>Wet Chemistry EPA 300.0</b>					
00224	Chloride	16887-00-6	378	20.0	100
00228	Sulfate	14808-79-8	11.1	1.5	5
<b>EPA 335.4</b>					
00237	Total Cyanide (water)	57-12-5	N.D.	0.0050	1
<b>EPA 420.4</b>					
00434	Phenols (water)	n.a.	0.027 J	0.015	1
<b>EPA 1664A</b>					
00612	SGT-HEM (TPH)	n.a.	N.D.	1.4	1

**Sample Description:** MW 30 Grab Groundwater Sample  
Sunoco M.H. (RCRA)

LL Sample # WW 7426558  
LL Group # 1466285  
Account # 11183

**Project Name:** Sunoco M.H. (RCRA)

Collected: 04/09/2014 09:40 by CC

Sunoco c/o Stantec

Submitted: 04/10/2014 19:20

1060 Andrew Drive

Reported: 04/22/2014 07:28

Suite 140

West Chester PA 19380

RCR30

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/15.  
The temperature of the temperature blank bottle(s) for the SGT-HEM (TPH) containers upon receipt at the lab was 6.8C using a digital thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 7.5-9.6 C.  
The temperature of the sample bottle(s) for the 625 containers upon receipt at the lab was 8.3-8.7 C using an IR thermometer.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	M141012AA	04/12/2014 13:22	Andrea E Lando	1
10334	SVOCs 625	EPA 625	1	14102WAB625	04/15/2014 23:50	Linda M Hartenstine	1
08108	625 Water Extraction	EPA 625	1	14102WAB625	04/13/2014 19:00	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010B	1	141011848003	04/16/2014 23:16	John W Yanzuk II	1
01754	Iron	SW-846 6010B	1	141011848003	04/16/2014 23:16	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	141011848003	04/16/2014 23:16	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	141011848003	04/16/2014 23:16	John W Yanzuk II	1
01767	Sodium	SW-846 6010B	1	141011848003	04/21/2014 17:29	Katlin N Cataldi	5
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	141011848003	04/14/2014 10:42	Micaela L Dishong	1
00224	Chloride	EPA 300.0	1	14105347601B	04/15/2014 19:39	Sandra J Miller	100
00228	Sulfate	EPA 300.0	1	14105347601B	04/15/2014 19:23	Sandra J Miller	5
00237	Total Cyanide (water)	EPA 335.4	1	14107102101A	04/17/2014 14:37	Venia B McFadden	1
00434	Phenols (water)	EPA 420.4	1	14106113101A	04/17/2014 10:05	K Robert Caulfeild-James	1
00492	Cyanide Water Distillation	EPA 335.4	1	14107102101A	04/17/2014 08:45	Nancy J Shoop	1
00491	Phenol Distillation (water)	EPA 420.4	1	14106113101A	04/16/2014 10:15	Nancy J Shoop	1
00612	SGT-HEM (TPH)	EPA 1664A	1	14107807801A	04/17/2014 16:59	Michelle L Lalli	1

Sample Description: MW 40 Grab Groundwater Sample  
Sunoco M.H. (RCRA)

LL Sample # WW 7426559  
LL Group # 1466285  
Account # 11183

Project Name: Sunoco M.H. (RCRA)

Collected: 04/09/2014 13:51 by CC

Sunoco c/o Stantec

Submitted: 04/10/2014 19:20

1060 Andrew Drive

Reported: 04/22/2014 07:28

Suite 140

West Chester PA 19380

RCR40

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>EPA 624</b>	<b>ug/l</b>	<b>ug/l</b>	
10371	Benzene	71-43-2	N.D.	0.9	1
10371	Ethylbenzene	100-41-4	N.D.	0.8	1
10371	Toluene	108-88-3	N.D.	0.8	1
10371	Xylene (total)	1330-20-7	N.D.	0.9	1
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>EPA 625</b>	<b>ug/l</b>	<b>ug/l</b>	
10334	Acenaphthene	83-32-9	0.6 J	0.3	1
10334	Anthracene	120-12-7	N.D.	0.2	1
10334	Benzo(a)anthracene	56-55-3	N.D.	0.2	1
10334	Benzo(a)pyrene	50-32-8	N.D.	0.3	1
10334	Di-n-butylphthalate	84-74-2	N.D.	0.5	1
10334	Chrysene	218-01-9	N.D.	0.2	1
10334	bis(2-Ethylhexyl)phthalate	117-81-7	2 J	1	1
10334	Fluorene	86-73-7	N.D.	0.3	1
10334	Naphthalene	91-20-3	N.D.	0.2	1
10334	Phenanthrene	85-01-8	N.D.	0.2	1
10334	Phenol	108-95-2	N.D.	0.4	1
<b>Metals</b>	<b>SW-846 6010B</b>		<b>mg/l</b>	<b>mg/l</b>	
07051	Chromium	7440-47-3	N.D.	0.0016	1
01754	Iron	7439-89-6	3.53	0.0430	1
07055	Lead	7439-92-1	N.D.	0.0047	1
07058	Manganese	7439-96-5	0.410	0.00083	1
01767	Sodium	7440-23-5	105	0.835	5
<b>Wet Chemistry</b>	<b>EPA 300.0</b>		<b>mg/l</b>	<b>mg/l</b>	
00224	Chloride	16887-00-6	95.8	4.0	20
00228	Sulfate	14808-79-8	10	1.5	5
	<b>EPA 335.4</b>		<b>mg/l</b>	<b>mg/l</b>	
00237	Total Cyanide (water)	57-12-5	N.D.	0.0050	1
	<b>EPA 420.4</b>		<b>mg/l</b>	<b>mg/l</b>	
00434	Phenols (water)	n.a.	0.019 J	0.015	1
	<b>EPA 1664A</b>		<b>mg/l</b>	<b>mg/l</b>	
00612	SGT-HEM (TPH)	n.a.	N.D.	1.4	1



**Sample Description:** MW 40 Grab Groundwater Sample  
Sunoco M.H. (RCRA)

LL Sample # WW 7426559  
LL Group # 1466285  
Account # 11183

**Project Name:** Sunoco M.H. (RCRA)

Collected: 04/09/2014 13:51 by CC

Sunoco c/o Stantec

Submitted: 04/10/2014 19:20

1060 Andrew Drive

Reported: 04/22/2014 07:28

Suite 140

West Chester PA 19380

RCR40

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/15.  
The temperature of the temperature blank bottle(s) for the SGT-HEM (TPH) containers upon receipt at the lab was 6.8C using a digital thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 7.5-9.6 C.  
The temperature of the sample bottle(s) for the 625 containers upon receipt at the lab was 8.3-8.7 C using an IR thermometer.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	M141012AA	04/12/2014 13:47	Andrea E Lando	1
10334	SVOCs 625	EPA 625	1	14102WAB625	04/16/2014 00:14	Linda M Hartenstine	1
08108	625 Water Extraction	EPA 625	1	14102WAB625	04/13/2014 19:00	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010B	1	141011848003	04/16/2014 23:20	John W Yanzuk II	1
01754	Iron	SW-846 6010B	1	141011848003	04/16/2014 23:20	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	141011848003	04/16/2014 23:20	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	141011848003	04/16/2014 23:20	John W Yanzuk II	1
01767	Sodium	SW-846 6010B	1	141011848003	04/21/2014 18:02	Katlin N Cataldi	5
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	141011848003	04/14/2014 10:42	Micaela L Dishong	1
00224	Chloride	EPA 300.0	1	14105347601B	04/15/2014 20:12	Sandra J Miller	20
00228	Sulfate	EPA 300.0	1	14105347601B	04/15/2014 19:56	Sandra J Miller	5
00237	Total Cyanide (water)	EPA 335.4	1	14107102101A	04/17/2014 14:38	Venia B McFadden	1
00434	Phenols (water)	EPA 420.4	1	14106113101A	04/17/2014 10:06	K Robert Caulfeild-James	1
00492	Cyanide Water Distillation	EPA 335.4	1	14107102101A	04/17/2014 08:45	Nancy J Shoop	1
00491	Phenol Distillation (water)	EPA 420.4	1	14106113101A	04/16/2014 10:15	Nancy J Shoop	1
00612	SGT-HEM (TPH)	EPA 1664A	1	14107807801A	04/17/2014 16:59	Michelle L Lalli	1

Sample Description: MW 86 Grab Groundwater Sample  
Sunoco M.H. (RCRA)

LL Sample # WW 7426560  
LL Group # 1466285  
Account # 11183

Project Name: Sunoco M.H. (RCRA)

Collected: 04/09/2014 12:29 by CC

Sunoco c/o Stantec  
1060 Andrew Drive  
Suite 140  
West Chester PA 19380

Submitted: 04/10/2014 19:20

Reported: 04/22/2014 07:28

RCR86

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>EPA 624</b>	<b>ug/l</b>	<b>ug/l</b>	
10371	Benzene	71-43-2	N.D.	0.9	1
10371	Ethylbenzene	100-41-4	N.D.	0.8	1
10371	Toluene	108-88-3	N.D.	0.8	1
10371	Xylene (total)	1330-20-7	N.D.	0.9	1
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>EPA 625</b>	<b>ug/l</b>	<b>ug/l</b>	
10334	Acenaphthene	83-32-9	N.D.	0.3	1
10334	Anthracene	120-12-7	N.D.	0.2	1
10334	Benzo(a)anthracene	56-55-3	N.D.	0.2	1
10334	Benzo(a)pyrene	50-32-8	N.D.	0.3	1
10334	Di-n-butylphthalate	84-74-2	N.D.	0.5	1
10334	Chrysene	218-01-9	N.D.	0.2	1
10334	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	1
10334	Fluorene	86-73-7	N.D.	0.3	1
10334	Naphthalene	91-20-3	N.D.	0.2	1
10334	Phenanthrene	85-01-8	N.D.	0.2	1
10334	Phenol	108-95-2	N.D.	0.4	1
<b>Metals</b>	<b>SW-846 6010B</b>		<b>mg/l</b>	<b>mg/l</b>	
07051	Chromium	7440-47-3	N.D.	0.0016	1
01754	Iron	7439-89-6	0.204	0.0430	1
07055	Lead	7439-92-1	N.D.	0.0047	1
07058	Manganese	7439-96-5	0.161	0.00083	1
01767	Sodium	7440-23-5	7.70	0.167	1
<b>Wet Chemistry</b>	<b>EPA 300.0</b>		<b>mg/l</b>	<b>mg/l</b>	
00224	Chloride	16887-00-6	4.5	1.0	5
00228	Sulfate	14808-79-8	33.9	1.5	5
	<b>EPA 335.4</b>		<b>mg/l</b>	<b>mg/l</b>	
00237	Total Cyanide (water)	57-12-5	N.D.	0.0050	1
	<b>EPA 420.4</b>		<b>mg/l</b>	<b>mg/l</b>	
00434	Phenols (water)	n.a.	N.D.	0.015	1
	<b>EPA 1664A</b>		<b>mg/l</b>	<b>mg/l</b>	
00612	SGT-HEM (TPH)	n.a.	N.D.	1.4	1

**Sample Description:** MW 86 Grab Groundwater Sample  
Sunoco M.H. (RCRA)

LL Sample # WW 7426560  
LL Group # 1466285  
Account # 11183

**Project Name:** Sunoco M.H. (RCRA)

Collected: 04/09/2014 12:29 by CC

Sunoco c/o Stantec

Submitted: 04/10/2014 19:20

1060 Andrew Drive

Reported: 04/22/2014 07:28

Suite 140

West Chester PA 19380

RCR86

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/15.  
The temperature of the temperature blank bottle(s) for the SGT-HEM (TPH) containers upon receipt at the lab was 6.8C using a digital thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 7.5-9.6 C.  
The temperature of the sample bottle(s) for the 625 containers upon receipt at the lab was 8.3-8.7 C using an IR thermometer.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	M141051AA	04/15/2014 13:45	Linda C Pape	1
10334	SVOCs 625	EPA 625	1	14102WAB625	04/16/2014 00:38	Linda M Hartenstine	1
08108	625 Water Extraction	EPA 625	1	14102WAB625	04/13/2014 19:00	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010B	1	141011848003	04/16/2014 23:24	John W Yanzuk II	1
01754	Iron	SW-846 6010B	1	141011848003	04/16/2014 23:24	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	141011848003	04/16/2014 23:24	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	141011848003	04/16/2014 23:24	John W Yanzuk II	1
01767	Sodium	SW-846 6010B	1	141011848003	04/16/2014 23:24	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	141011848003	04/14/2014 10:42	Micaela L Dishong	1
00224	Chloride	EPA 300.0	1	14105347601B	04/15/2014 20:28	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14105347601B	04/15/2014 20:28	Sandra J Miller	5
00237	Total Cyanide (water)	EPA 335.4	1	14107102101A	04/17/2014 14:42	Venia B McFadden	1
00434	Phenols (water)	EPA 420.4	1	14106113101A	04/17/2014 10:08	K Robert Caulfeild-James	1
00492	Cyanide Water Distillation	EPA 335.4	1	14107102101A	04/17/2014 08:45	Nancy J Shoop	1
00491	Phenol Distillation (water)	EPA 420.4	1	14106113101A	04/16/2014 10:15	Nancy J Shoop	1
00612	SGT-HEM (TPH)	EPA 1664A	1	14107807801A	04/17/2014 16:59	Michelle L Lalli	1

Sample Description: Trip Blank Water Sample  
Sunoco M.H. (RCRA)

LL Sample # WW 7426561  
LL Group # 1466285  
Account # 11183

Project Name: Sunoco M.H. (RCRA)

Collected: 04/09/2014

Sunoco c/o Stantec

Submitted: 04/10/2014 19:20

1060 Andrew Drive

Reported: 04/22/2014 07:28

Suite 140

West Chester PA 19380

RCRTB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>EPA 624</b>	<b>ug/l</b>	<b>ug/l</b>	
10371	Benzene	71-43-2	N.D.	0.9	1
10371	Ethylbenzene	100-41-4	N.D.	0.8	1
10371	Toluene	108-88-3	N.D.	0.8	1
10371	Xylene (total)	1330-20-7	N.D.	0.9	1

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/15.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	M141041AA	04/14/2014 14:53	Linda C Pape	1

**Quality Control Summary**Client Name: Sunoco c/o Stantec  
Reported: 04/22/14 at 07:28 AM

Group Number: 1466285

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

**Laboratory Compliance Quality Control**

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: M141012AA	Sample number(s): 7426556-7426559							
Benzene	N.D.	0.9	ug/l	93		80-120		
Ethylbenzene	N.D.	0.8	ug/l	100		80-120		
Toluene	N.D.	0.8	ug/l	101		80-120		
Xylene (total)	N.D.	0.9	ug/l	102		80-120		
Batch number: M141041AA	Sample number(s): 7426561							
Benzene	N.D.	0.9	ug/l	86		80-120		
Ethylbenzene	N.D.	0.8	ug/l	99		80-120		
Toluene	N.D.	0.8	ug/l	100		80-120		
Xylene (total)	N.D.	0.9	ug/l	104		80-120		
Batch number: M141051AA	Sample number(s): 7426560							
Benzene	N.D.	0.9	ug/l	90		80-120		
Ethylbenzene	N.D.	0.8	ug/l	103		80-120		
Toluene	N.D.	0.8	ug/l	104		80-120		
Xylene (total)	N.D.	0.9	ug/l	109		80-120		
Batch number: 14102WAB625	Sample number(s): 7426556-7426560							
Acenaphthene	N.D.	0.3	ug/l	101		83-117		
Anthracene	N.D.	0.2	ug/l	103		75-116		
Benzo(a)anthracene	N.D.	0.2	ug/l	103		76-117		
Benzo(a)pyrene	N.D.	0.3	ug/l	99		69-143		
Di-n-butylphthalate	N.D.	0.5	ug/l	101		84-116		
Chrysene	N.D.	0.2	ug/l	106		81-118		
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	105		86-125		
Fluorene	N.D.	0.3	ug/l	104		80-116		
Naphthalene	N.D.	0.2	ug/l	90		82-115		
Phenanthrene	N.D.	0.2	ug/l	103		80-119		
Phenol	N.D.	0.4	ug/l	41		30-70		
Batch number: 141011848003	Sample number(s): 7426556-7426560							
Chromium	N.D.	0.0016	mg/l	99		90-110		
Iron	N.D.	0.0430	mg/l	107		90-112		
Lead	N.D.	0.0047	mg/l	107		88-116		
Manganese	N.D.	0.00083	mg/l	101		90-110		
Sodium	N.D.	0.167	mg/l	103		87-114		
Batch number: 14105347601B	Sample number(s): 7426556-7426560							
Chloride	N.D.	0.20	mg/l	100		90-110		
Sulfate	N.D.	0.30	mg/l	100		90-110		
Batch number: 14106113101A	Sample number(s): 7426556-7426560							
Phenols (water)	N.D.	0.015	mg/l	96		90-110		

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

**Quality Control Summary**Client Name: Sunoco c/o Stantec  
Reported: 04/22/14 at 07:28 AM

Group Number: 1466285

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 14107102101A	Sample number(s): 7426556-7426560							
Total Cyanide (water)	N.D.	0.0050	mg/l	91		90-110		
Batch number: 14107807801A	Sample number(s): 7426556-7426560							
SGT-HEM (TPH)	N.D.	1.4	mg/l	66	66	64-114	1	26

**Sample Matrix Quality Control**Unspiked (UNSPK) = the sample used in conjunction with the matrix spike  
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: M141012AA	Sample number(s): 7426556-7426559 UNSPK: P426476								
Benzene	96	98	83-132	2	30				
Ethylbenzene	109	106	82-124	3	30				
Toluene	109	106	84-123	2	30				
Xylene (total)	110	108	79-130	2	30				
Batch number: M141041AA	Sample number(s): 7426561 UNSPK: P426568								
Benzene	100	101	83-132	1	30				
Ethylbenzene	114	119	82-124	4	30				
Toluene	115	119	84-123	4	30				
Xylene (total)	119	124	79-130	4	30				
Batch number: M141051AA	Sample number(s): 7426560 UNSPK: P426580								
Benzene	95	97	83-132	2	30				
Ethylbenzene	114	116	82-124	2	30				
Toluene	114	116	84-123	1	30				
Xylene (total)	119	122	79-130	3	30				
Batch number: 14102WAB625	Sample number(s): 7426556-7426560 UNSPK: P426476								
Acenaphthene	107	101	83-119	5	30				
Anthracene	105	101	79-123	4	30				
Benzo(a)anthracene	106	103	86-116	3	30				
Benzo(a)pyrene	102	98	70-121	4	30				
Di-n-butylphthalate	103	101	68-115	2	30				
Chrysene	110	106	78-125	4	30				
bis(2-Ethylhexyl)phthalate	108	104	78-132	3	30				
Fluorene	109	105	74-109	4	30				
Naphthalene	100	96	84-115	3	30				
Phenanthrene	107	103	82-120	4	30				
Phenol	39	34	10-80	13	30				
Batch number: 141011848003	Sample number(s): 7426556-7426560 UNSPK: P426015 BKG: P426015								
Chromium	99	102	76-120	2	20	0.0021 J	0.0018 J	14 (1)	20
Iron	113 (2)	110 (2)	75-125	0	20	5.05	5.17	2	20
Lead	101	102	75-125	2	20	N.D.	N.D.	0 (1)	20
Manganese	100 (2)	99 (2)	75-125	0	20	2.16	2.19	1	20
Sodium	118 (2)	129 (2)	84-117	1	20	111	115	4	20
Batch number: 14105347601B	Sample number(s): 7426556-7426560 UNSPK: P427501 BKG: P427501								

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.  
 (2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: Sunoco c/o Stantec  
Reported: 04/22/14 at 07:28 AM

Group Number: 1466285

### Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike  
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Chloride	95		90-110			52.6	52.3	0	20
Sulfate	100		90-110			19.6	19.6	0 (1)	20
Batch number: 14106113101A	Sample number(s): 7426556-7426560 UNSPK: P425362								
Phenols (water)	98	93	90-110	5	6				
Batch number: 14107102101A	Sample number(s): 7426556-7426560 UNSPK: P426585 BKG: P426585								
Total Cyanide (water)	98		90-110			N.D.	N.D.	0 (1)	20
Batch number: 14107807801A	Sample number(s): 7426556-7426560 UNSPK: P426468								
SGT-HEM (TPH)	50*		64-132						

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: EPA 624 water  
Batch number: M141012AA

	1,2-Dichloroethane-d4	Fluorobenzene	4-Bromofluorobenzene
7426556	100	96	101
7426557	102	93	100
7426558	98	94	103
7426559	98	97	102
Blank	102	99	100
LCS	103	98	101
MS	103	95	102
MSD	104	97	101
Limits:	76-114	80-120	86-115

Analysis Name: EPA 624 water  
Batch number: M141041AA

	1,2-Dichloroethane-d4	Fluorobenzene	4-Bromofluorobenzene
7426561	108	93	102
Blank	107	95	105
LCS	103	92	103
MS	111	95	106
MSD	108	94	105
Limits:	76-114	80-120	86-115

Analysis Name: EPA 624 water  
Batch number: M141051AA

	1,2-Dichloroethane-d4	Fluorobenzene	4-Bromofluorobenzene
7426560	105	92	103

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: Sunoco c/o Stantec  
Reported: 04/22/14 at 07:28 AM

Group Number: 1466285

### Surrogate Quality Control

Blank	105	93	105
LCS	105	96	104
MS	108	94	107
MSD	112	95	105

Limits:	76-114	80-120	86-115
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Analysis Name: SVOCs Method 625

Batch number: 14102WAB625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol
7426556	88	95	92	28	48	92
7426557	86	91	91	26	47	96
7426558	90	97	95	29	51	97
7426559	90	98	92	30	50	93
7426560	89	93	101	28	48	92
Blank	93	97	98	28	44	96
LCS	95	101	108	38	54	95
MS	96	103	107	35	56	90
MSD	92	99	107	30	51	84

Limits:	69-123	76-123	69-130	10-77	10-114	36-140
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\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.





acct# 11183 Cp# 1466285 sample# 7426580-61

## Second and Fourth Quarters

5 groundwater samples for the following parameters (metals are total – not filtered)

PARAMETER	EPA METHOD
Acenaphthene	625
Anthracene	625
Benzo(a)anthracene	625
Benzo(a)pyrene	625
Bis(2-ethylhexyl)phthalate	625
Chrysene	625
Di-n-butyl phthalate	625
Fluorene	625
Naphthalene	625
Phenanthrene	625
Phenol	625
Benzene	624
Toluene	624
Ethylbenzene	624
Total Xylenes	624
Chromium	SW-846 6010B
Lead	SW-846 6010B
Iron	SW-846 6010B
Manganese	SW-846 6010B
Sodium	SW-846 6010B
Total Cyanides (TCN)	335.4
SGT-HEM (TPH)	1664A
Chloride	300.0
Sulfate	300.0
Phenolics [00434 Phenols (Water)]	420.4

2 1000ml Amber Glass (None)

3 - 40ml (~~HCL~~) unfixed (4-8-14)

1 - 250ml plastic (HNO3)

> 1-250ml plastic (NaOH/asc)

> 2-1000ml wide mouth glass (HCL)

> 2-40ml vials (None)

> 1-250ml glass (H2SO4)

20 groundwater samples for the following parameters:

Total Organic Carbon (TOC)	SM 20 5310C
Total Organic Halides (TOX)	SW-846 9020B

> ~~1-250ml Amber glass (H2SO4/Na2SO3)~~ 2-40ml Amb vials (H2PO4)

> ~~2-40ml Amber <sup>vial</sup> (H2PO4)~~ - 1-250ml Amber glass

Prior to commencing work, complete a JSA, sign-in with the CA, and get a permit if the CA requires it.

1. Five (5) observation wells to be sampled:

- MW-17 – near Green Street, just beyond the contractor trailer;
- MW-28 – along the bulkhead opposite of parking lot from MW-30, may be behind pallets. Sample MW-28 and MW-30 near high tide. MW-28 and MW-30 are in the parking lot in front of the Main Office Building (may need to contact headquarters for access to one of the gates);
- MW-30 – edge of employee parking area, near gate – try to sample at high tide;
- MW-40 – next to Lube Building. Start with this well as it does not recharge very quickly (purge one volume, go to another well, return and purge the second volume, etc. continuing until done);
- MW-86 – downhill from Tank 522, behind safety – recharges well.

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# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>RL</b>	Reporting Limit	<b>BMQL</b>	Below Minimum Quantitation Level
<b>N.D.</b>	none detected	<b>MPN</b>	Most Probable Number
<b>TNTC</b>	Too Numerous To Count	<b>CP Units</b>	cobalt-chloroplatinate units
<b>IU</b>	International Units	<b>NTU</b>	nephelometric turbidity units
<b>umhos/cm</b>	micromhos/cm	<b>ng</b>	nanogram(s)
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>µg</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>mL</b>	milliliter(s)	<b>L</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>µL</b>	microliter(s)
		<b>pg/L</b>	picogram/liter
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## Data Qualifiers:

**C** – result confirmed by reanalysis.

**J** - estimated value – The result is  $\geq$  the Method Detection Limit (MDL) and  $<$  the Limit of Quantitation (LOQ).

## U.S. EPA CLP Data Qualifiers:

### Organic Qualifiers

<b>A</b>	TIC is a possible aldol-condensation product
<b>B</b>	Analyte was also detected in the blank
<b>C</b>	Pesticide result confirmed by GC/MS
<b>D</b>	Compound quantitated on a diluted sample
<b>E</b>	Concentration exceeds the calibration range of the instrument
<b>N</b>	Presumptive evidence of a compound (TICs only)
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$
<b>U</b>	Compound was not detected
<b>X,Y,Z</b>	Defined in case narrative

### Inorganic Qualifiers

<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>E</b>	Estimated due to interference
<b>M</b>	Duplicate injection precision not met
<b>N</b>	Spike sample not within control limits
<b>S</b>	Method of standard additions (MSA) used for calculation
<b>U</b>	Compound was not detected
<b>W</b>	Post digestion spike out of control limits
<b>*</b>	Duplicate analysis not within control limits
<b>+</b>	Correlation coefficient for MSA $<0.995$

**Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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